

Converting Colors

$Y_{xy}(26.7222, 0.2467, 0.1619)$

Have a look what the booklet for
Yxy(26.7222, 0.2467, 0.1619)
contains.

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Color

Yxy(26.7341, 0.2469, 0.1619)

Conversions

Conversions Part 1

Format	Color
Hex	AE6BFF
RGB	174, 107, 255
RGB Percent	68%, 42%, 100%
CMY	0.3175, 0.5805, 0.0000
CMYK	0.32, 0.58, 0.00, 0.00
HSL	267°, 100%, 71%
HSV	267°, 58%, 100%
XYZ	40.7699, 26.7341, 97.6232
YIQ	143.9050, -7.5760, 60.2320

Conversions

Conversions Part 2

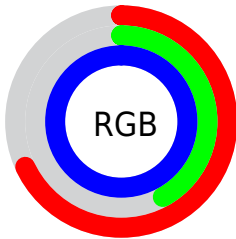
Format	Color
RYB	174, 107, 255
Decimal	11430911
CIELab	58.73, 54.98, -64.01
CIELCh	59, 84.385, 310.660
Yxy	26.7341, 0.2469, 0.1619
Android (android.graphics.Color)	4289620991 (0xFFAE6BFF)
YUV	143.9050, 54.7698, 26.3933
Hunter-Lab	51.7050, 50.2652, -75.7507

Details

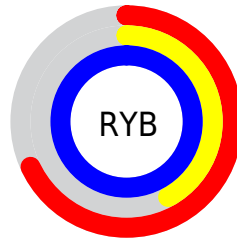
The Yxy color **26.7341, 0.2469, 0.1619** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **83.2650, 0.3494, 0.4919**, and the grayscale version is **27.6279, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.0334, 0.2991, 0.2324**, and **10.4766, 0.2247, 0.1262** is the 20% darker color. If you saturate the color by 10%, you get **20.6598, 0.2324, 0.1351**, and if you desaturate by 10%, it is **34.5431, 0.2610, 0.1914**.

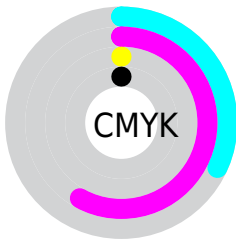
Distribution



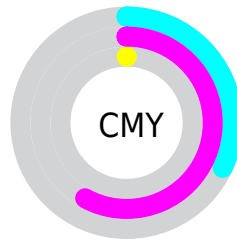
- Red (68%)
- Green (42%)
- Blue (100%)



- Red (68%)
- Yellow (42%)
- Blue (100%)



- Cyan (32%)
- Magenta (58%)
- Yellow (0%)
- Black (0%)




- Cyan (32%)
- Magenta (58%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.7341, 0.2469, 0.1619 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 26.7341, 0.2469, 0.1619 by changing the saturation by 10% instead.


 26.7341, 0.2469,
0.1619


 26.7341, 0.2469,
0.1619


286.3674, 0.2836,
0.2385


 17.3736, 0.2372,
0.1455


 54.4569, 0.2607,
0.1878


 10.5012, 0.2247,
0.1261


 73.5880, 0.2658,
0.1981

 5.7325, 0.2082,
0.1032


 96.7448, 0.2700,
0.2071

 2.6831, 0.1858,
0.0765

 124.3116, 0.2736,
0.2149

 0.9686, 0.1550,
0.0468

156.6729, 0.2767,
0.2219

 0.0000, 0.1150,
0.0000

194.2130, 0.2793,

 0.0000, 0.0296,

0.2281

0.0000

237.3164, 0.2816,
0.2336

■ 0.0000, 0.0000,
0.0000

■ 26.7341, 0.2469,
0.1619

■ 26.7341, 0.2469,
0.1619

■ 20.6598, 0.2324,
0.1351

■ 34.5431, 0.2610,
0.1914

■ 16.1708, 0.2183,
0.1126

■ 44.2147, 0.2743,
0.2221

■ 13.0946, 0.2052,
0.0957

■ 55.8668, 0.2864,
0.2525

■ 11.1972, 0.1937,
0.0847

■ 69.6065, 0.2970,
0.2816

■ 10.9006, 0.1916,
0.0829

■ 85.5332, 0.3063,
0.3088

100.0000, 0.3127,
0.3290

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



26.7341, 0.1581, 0.1443



26.7341, 0.2469, 0.1619



26.7341, 0.3837, 0.2081

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



26.7341, 0.2469, 0.1619



26.7341, 0.5349, 0.4385



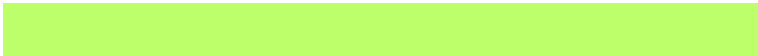
26.7341, 0.1331, 0.3420

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



26.7341, 0.2469, 0.1619



83.2650, 0.3494, 0.4919

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



26.7341, 0.2103, 0.5186



26.7341, 0.2469, 0.1619



26.7341, 0.4383, 0.5353

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



26.7341, 0.2469, 0.1619



26.7341, 0.5760, 0.3518



26.7341, 0.3225, 0.5950



26.7341, 0.1051, 0.2150

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



26.7341, 0.2469, 0.1619



26.7341, 0.4806, 0.2516



26.7341, 0.3225, 0.5950



26.7341, 0.1531, 0.4007

Sweetspot

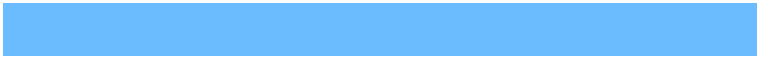
The Sweet Spot groups the original color and five complimentary colors.



26.7347, 0.2469, 0.1619



71.1693, 0.2981, 0.2845



46.4786, 0.2220, 0.2446



14.5956, 0.2961, 0.2788



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



26.7347, 0.2469, 0.1619



19.6632, 0.2296, 0.1303



37.6147, 0.3123, 0.1899



17.7807, 0.3050, 0.3049



5.7818, 0.1933, 0.0838



0.6268, 0.2058, 0.0907

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



35.3997, 0.3902, 0.2486



29.5592, 0.4148, 0.2380



76.1842, 0.3072, 0.5154



18.1533, 0.3208, 0.3161



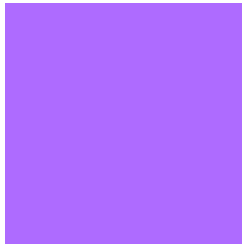
12.1206, 0.4765, 0.2399



1.2022, 0.4538, 0.2274

Previews

White Background



This preview shows how the Yxy color 26.7341, 0.2469, 0.1619 looks on a white background.

Color Contrast Check

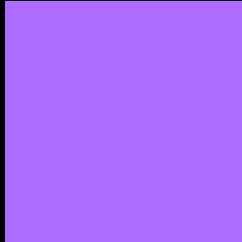
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 26.7341, 0.2469, 0.1619 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

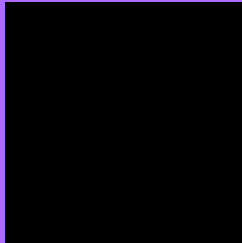
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 26.7341, 0.2469, 0.1619

Background



This preview shows how black text looks on a background with the Yxy color 26.7341, 0.2469, 0.1619.



This preview shows how white text looks on a background with the Yxy color 26.7341, 0.2469, 0.1619.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

26.7341, 0.2469, 0.1619

Protanopia

27.2360, 0.1966, 0.1744

Deuteranopia

27.0904, 0.1908, 0.1845



Tritanopia

26.4872, 0.3202, 0.3117

Trichromacy



Original Color

26.7341, 0.2469, 0.1619



Protanomaly

26.1117, 0.2094, 0.1665



Deuteranomaly

25.3542, 0.2015, 0.1700



Tritanomaly

25.7895, 0.2901, 0.2422

Monochromacy



Original Color

26.7341, 0.2469, 0.1619



Achromatopsia

27.8894, 0.3127, 0.3290



Achromatomaly

26.6619, 0.2861, 0.2519

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.7341, 0.2469, 0.1619 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(174, 107, 255)` looks like.

```
.text, #text, p{  
    color:rgb(174, 107, 255)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(174, 107, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 107, 255) }
```

Border

The CSS property to change the border of an element to Yxy 26.7341, 0.2469, 0.1619 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(174, 107, 255) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(174, 107, 255) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(174, 107, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 107, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 107, 255);  
box-shadow:4px 4px 4px 4px rgb(174, 107,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 26.7341, 0.2469, 0.1619 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 107, 255) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(174,  
107, 255) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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